

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/41189

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12Q 1/68; A01N 43/04; C07H 21/04; A61K 31/07  
US CL : 435/6, 325, 375, 91.1; 536/23.1, 24.5, 24.3; 514/44; 424/134.1

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/6, 325, 375, 91.1; 536/23.1, 24.5, 24.3; 514/44; 424/134.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
Please See Continuation Sheet

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CHAN et al. Human BUBR1 is a mitotic checkpoint kinase that monitors CENP-E functions at kinetochores and binds the cyclosome/APC. Journal of Cell Biology. 06 September 1999, Vol. 146, Number 5, pages 941-945, see Figures 1-7.	1, 7, 8, 9, 11-15, 21, 22, 23, 25, 26-32, 38, 39, 40, 42, 43, 44, 45, 47-50, 52, 53, and 54
X	GORBSKY et al. Microinjection of antibody to Mad2 protein into mammalian cells in mitosis induces premature anaphase. Journal of Cell Biology. 01 June 1998, Vol. 141, Number 5, pages 1193-1205, see Figures 1-11.	1, 8, 10, 13, 15, 21, 22, 24, 27, 29, 30, 31, 32, 38, 39, 41, 44, 47, 48, 49, 51, and 54
X,E	US 2004/0101856 A1 (BENNETT et al.) 27 May 2004 (27.05.2004), see page 5, [0037], [0038], page 8 [0065] and [0066].	1, 2, 4, 15, 16, 18, 32, 33, 35, 46, 51, and 54

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;"

document member of the same patent family

Date of the actual completion of the international search

07 June 2004 (07.06.2004)

Date of mailing of the international search

08 JUL 2004

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# INTERNATIONAL SEARCH REPORT

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## Continuation of B. FIELDS SEARCHED Item 3:

Databases: Medline, EmBase, CancerLit, Biosis

search terms: BubR1, Mad2, Bub3, CENP-E, siRNA, RNA-interference, antibody

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